Generation of electricity from Sugar mill waste and garbage

185. SHRI H.K. JAVARE GOWDA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government have formulated a plan to generate electricity from sugar mills waste and garbage in urban areas in the country;

(b) if so,the details of expected capacity and the approximate amount needed for generation, in the country; and

(c) the details of Co-operative Sugar Mills which have applied for generating electricity by such method in Karnataka so far?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN) : (a) and (b) National Programmes are under implementation for surplus power generation through bagasse co-generation in sugar mills and energy recovery from urban and industrial wastes.

The estimated power generation potential is as follows:

Surplus power from bagasse		
Co-generation in the sugar mills	—	3500 MW
Press mud in sugar mills	—	250 MW eq.
Municipal solid wastes	—	900 MW eq.

The capital cost of bagasse based co-generation projects is in the range of Rs. 2.5-3.5 Crore per MW, depending upon the technical, financial and operating parameters. For waste-to-energy projects, the cost is in the range of Rs. 6.00-10.00 Crore per MW, depending upon the waste characteristics, technology, and location.

(c) Government of Karnataka have conveyed their 'No Objection' for setting up of Co-generation plants in 14 co-operative sugar mills in the State, aggregating to a surplus capacity of 127 MW.